

# Lesson Plan

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## **Title:** Saving Water

### **Overview:**

In the United States, most students live in the cities do not understand there is limitation to water resources. In this lesson students will learn about the water resource limitation and create an action plan to conserve water usage at school at home. Students will apply their digital literacy skills in researching and collaborating with other students for the action plans. Then students will apply their word processing skills to create simple flyers to promote water saving at home and at school.

**Subject:** Digital Literacy and environmental Science

### **Objectives:**

- Students learn about limitation of water resources
- Students adapt a new life style by reserving water usage
- Students learn apply word processing skills they have learned
- Students learn to collaborate using BlendSpace.com

**Grade:** 6 to 8

**Classroom setting:** Computer Lab

**Session Duration:** 50 minutes

### **Performance Standards:**

- Environmental Science
- Digital Literacy

### **Professional Development Competency:**

- Competency 3c – Engaging students in Learning

### **Student Skill Prerequisites:**

- Basic work processing skills – font formatting, ordered and non-ordered list, page formatting, paragraph formatting, graphic formatting
- Internet research



- Students know how to log on to their Blendspaces account and create a shared lesson/discussion with other students

## Teacher Preparation:

- Create a BlendSpaces lesson with selected web sites (3 to 4) related to water conservation. Students will do their content research by visiting these web sites.
- Prepare a scavenger question list about water conservation for students
  - What is the percentage of water on earth that human can use to support our daily life need?
  - Why do you need to conserve water?
  - What can you do to conserve water at home?
  - What can you do to conserve water at school?

## Procedures:

1. Lesson overview with students (5 minutes)
2. Students will work in a group of two. (To save team grouping time, use number matching or number counting to group teams) (5 minutes)
3. Students will log on to their Blendspaces account, and select the Blendsapces lesson for water conservation, read instruction and questions from lesson. (5 minutes)
4. One student will create a Blendspaces lesson and invite their partners (5 minutes)
5. Students start visiting the assigned web sites and answer the questions by typing to the shared Blendspace lesson. Students can discuss about the answers for each question and draft for the final version as a team. (15 minutes)
6. Using the group answers, students will create a flyer to promote water conservation; one student will work for saving water at home and the other work for saving water at school. (15 minutes, students may complete as homework assignments.)
7. Upload flyer to school web site homework box when completed
8. Upload flyer to student portfolio website to share with family, classmates, teachers and public

## Student Assessment:

- Use of BlendSpaces.com for team collaboration
  - Competency: can create new shared lesson/discussion and share with others
  - Need Improvement: need help in creating shared lesson/discussion and editing
- Use of Word Processing software
  - Competency: can use formatting commands correctly to create a flyer with text, pictures and lists
  - Need Improvement: formatting commands are used incorrectly or not used to create the flyer